

WE CLAIM:

1. An apparatus for rerounding a pipe comprising:
 - a housing having a pipe passage extending between each extremity of the housing;
 - a pair of jaws positioned within the housing and on opposite sides of the pipe passage, the jaws having a generally symmetrical configuration with respect to one another;
 - a drive mechanism connected with respect to at least one jaw of the jaws, the drive mechanism for compressing the jaws with respect to each other.
2. The apparatus of Claim 1 further comprising a moveable frame top positioned within the housing, the moveable frame top positionable in an open position and a closed position.
3. The apparatus of Claim 2 wherein the moveable frame top comprises a hinged door permitting the housing to be positioned around the pipe.
4. The apparatus of Claim 1 wherein the drive mechanism comprises a drive screw connected with respect to one of the jaws.
5. The apparatus of Claim 4 wherein the drive mechanism further

comprises a fitting connected with respect to the drive screw, the fitting adaptable to connection with a motor.

6. The apparatus of Claim 1 further comprising a pair of support bars, each of the support bars having a flat side and a U-shaped channel, each jaw connected to the flat side of a respective support bar of the support bars and each U-shaped channel positioned over a portion of the housing.

7. The apparatus of Claim 1 wherein the housing is adaptable from a standard squeeze-off tool.

8. The apparatus of Claim 1 wherein the jaws include a radius of curvature 25% to 100% larger than the radius of curvature of the pipe.

9. The apparatus of Claim 1 wherein the jaws curve inwardly with respect to one another.

10. The apparatus of Claim 1 wherein the jaws are concave.

11. An apparatus for rerounding plastic pipe comprising:
a housing having a pipe passage extending between each extremity of

the housing, the housing having a moveable outer frame top positionable between an open position and a closed position;

a pair of support bars, each of the support bars having a flat side and a U-shaped channel, the U-shaped channel of at least one of the support bars attached with respect to the housing;

a pair of opposing jaws positioned within the housing and on opposite sides of the pipe passage, each jaw of the opposing jaws connected to the flat side of a respective support bar of the support bars, the jaws having a generally symmetrical configuration with respect to one another;

a drive mechanism connected with respect to at least one jaw of the jaws, the drive mechanism for compressing the jaws with respect to each other.

12. The apparatus of Claim 11 wherein the moveable frame top comprises a hinged door permitting the housing to be positioned around the pipe.

13. The apparatus of Claim 11 wherein the drive mechanism comprises a drive screw connected with respect to one of the jaws.

14. The apparatus of Claim 13 wherein the drive mechanism further comprises a fitting connected with respect to the drive screw, the fitting adaptable to connection with a motor.

15. The apparatus of Claim 11 further comprising a gauge positioned on the housing to determine relative measurements of the pipe.

16. A method for rerounding a pipe comprising:

opening a frame top in a housing, the housing having a pipe passage extending between each extremity of the housing;

positioning the housing around the pipe so that the pipe extends through the pipe passage;

closing the housing;

compressing a pair of jaws positioned within the housing and on opposite sides of the pipe passage around the pipe;

leaving the pipe within the jaws for a predetermined amount of time;

releasing the jaws from the pipe; and

removing the housing from the pipe, the pipe having a rerounded diameter.

17. The method of Claim 16 further comprising the step of turning a drive screw to close the jaws with respect to each other.

18. The method of Claim 16 further comprising compressing the pipe to 70% of an original diameter of the pipe without contact between the jaws.